BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Name of work: Estimate for Providing CC Roads and Improvements to Drains in Ward No. 05 Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
1	821.14	KSRRB 300-1. Earth work excavation by manual means in **Ordinary Soil** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.	cum	86.92	Rupees Eighty Six and Ninety Two Paise Only
2	117.98	Removing B.S Slab of Drain and stacking	sqm	65.72	Rupees Sixty Five and Seventy Two Paise Only
3	117.98	Refixing stone slabs of drains and pointing in C.M (1:3)	sqm	80.56	Rupees Eighty and Fifty Six Paise Only
4	921.53	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick	**sqm**	665.68	Rupees Six Hundred Sixty Five and Sixty Eight Paise Only
5	329.65	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	**cum**	5159.02	Rupees Five Thousand One Hundred Fifty Nine and Two Paise Only
6	14.88	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum	4468.22	Rupees Four Thousand Four Hundred Thirty Eight and Twenty Two Paise Only
7	11.16	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per	**cum**	5305.30	Rupees Five Thousand Three Hundred Five and Thirty Paise Only
8	58.65	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications.	**sqm**	271.36	Rupees Two Hundred Seventy One and Thirty Six Paise Only
9	20.70	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	**cum**	5598.92	Rupees Five Thousand Five Hundred Ninety Eight and Ninety Two Paise Only
10	49.60	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining. including cost of materials, labour, curing complete as per specifications.	sqm	102.82	Rupees One Hundred Two and Eighty Two Paise Only
11	20 53	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	**cum**	6371.66	Rupees Six Thousand Three Hundred Seventy One and Sixty Six Paise Only
12	1.85	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.	**Qtl**	64243.42	Rupees Sixty Four Thousand Two Hundred Forty Three and Forty Two Paise Only

Signature of the contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

17/10

Executive Engineer

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

17/10

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
13	88.00	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	sqm	993.22	Rupees Nine Hundred Ninety Three and Twenty Two Paise Only
14	570.60	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial 10cm thick RCC pre cast slab	sqm	1856.67	Rupees One Thousand Eight Hundred Fifty Six and Sixty Seven Paise Only
15	203.55	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams.	cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
16	2035.50	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead	sqm	95.40	Rupees Ninety Five and Forty Paise Only
17	668.00	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications	Rmt	121.90	Rupees One Hundred Twenty One and Ninety Paise Only
18	927.00	KSRRB M300-53: construction of **embankment** with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification	cum	320.12	Rupees Three Hundred Twenty and Twelve Paise Only
19	231.00	KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to **water bound macadam** specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening /binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading II**	cum	1877.26	Rupees One Thousand Eight Hundred Seventy Seven and Twenty Six Paise Only
20	184.80	KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading III**,	cum	1948.28	Rupees One Thousand Nine Hundred Forty Eight and Twenty Eight Paise Only
21	821.14	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcudina loadina and unloadina. From 0.00 to 2.00 Km	cum	73.12	Rupees Seventy Three and Twelve Paise Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

17/10

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010